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2. (Twice Amended) The surface according to Claim 1, wherein the integral is > 0.6.
3. (Twice Amended) The surface according to Claim 1, wherein said surface has a contact angle of at least 150° and a roll-off angle of <10°.
4. (Twice Amended) The surface according to Claim 1, wherein said surface has a contact angle of at least 155°.
5. (Twice Amended) The surface according to Claim 1, wherein said surface comprises metal, plastic, glass or ceramic.
6. (Twice Amended) The surface according to Claim 1, wherein said surface comprises metal and is selected from the group consisting of beryllium, magnesium, scandium, titanium, vanadium, chromium, manganese, iron, cobalt, nickel, copper, zinc, aluminum, gallium, yttrium, zirconium, niobium, molybdenum, technetium, ruthenium, rhenium, palladium, silver, cadmium, indium, tin, lanthanum, cerium, praseodymium, neodymium, samarium, europium, gadolinium, terbium, dysprosium, holmium, erbium, thulium, ytterbium, lutetium, hafnium, tantalum, tungsten, rhenium, osmium, iridium, platinum, gold, thallium, lead, bismuth, titanium, aluminium, magnesium, nickel and alloys thereof.
7. (Twice Amended) The surface according to Claim 1, wherein said surface comprises metal and is an aluminium-magnesium alloy.
8. (Twice Amended) The surface according to Claim 1, wherein said surface comprises plastic and is a thermosetting or thermoplastic polymer.
9. (Twice Amended) The surface according to Claim 1, wherein said surface comprises a thermosetting polymer and is selected from the group consisting of diallyl phthalate resins, epoxy resins, urea-formaldehyde resin, melamine-formaldehyde resin, melamine-phenol-formaldehyde resin, phenol-formaldehyde resin, polyimides, silicone rubbers, unsaturated polyester resins and mixtures thereof.

B1 10. (Twice Amended) The surface according to Claim 1, wherein said surface comprises a coating of a hydrophobic phobicization auxiliary.

27. (Amended) The surface according to Claim 1, wherein said surface comprises a thermoplastic polymer and is selected from the group consisting of polyolefins, polypropylene, polyethylene, polycarbonates, polyester carbonates, polyesters, PBT, PET, polystyrene, styrene copolymers, SAN resin, rubber-containing styrene graft copolymers, ABS polymer, polyamides, polyurethanes, polyphenylene sulphide, polyvinyl chloride and mixtures thereof.

B2 28. (Amended) The surface according to claim 1, wherein said surface comprises a coating of a hydrophobic phobicization auxiliary which comprises a group which is an anionic, cationic, amphoteric or nonionic, interface active group.

Please add the following new claims:

52. (New) A surface having ultraphobic properties, comprising a surface topography in which the value of the integral of a function S

$$S(\log f) = a(f) \cdot f \quad (1),$$

B3 which gives a relationship between the spatial frequencies F of the individual Fourier components and their amplitudes a(f), is at least 0.5 between the integration limits $\log(f_1/\mu\text{m}^{-1})=-3$ and $\log(f_2/\mu\text{m}^{-1})=3$, wherein said surface comprises a hydrophobic material, or is coated with a hydrophobic material.

53. (New) A surface having ultraphobic properties, comprising a surface topography in which the value of the integral of a function S

$$S(\log f) = a(f) \cdot f \quad (1),$$

which gives a relationship between the spatial frequencies F of the individual Fourier components and their amplitudes a(f), is at least 0.5 between the integration limits $\log(f_1/\mu\text{m}^{-1})=-3$ and $\log(f_2/\mu\text{m}^{-1})=3$, wherein said surface comprises an oleophobic material, or is coated with